

## Prof. Draper, Mr. Shurtleff Are Promoted

New Staff Changes Made  
At The Institute  
Announced

### FOUR RESIGN

Professor Charles S. Draper of the Aeronautical Engineering department has been promoted to the rank of full professor, it was announced by Institute authorities.

Other changes in the Technology staff include the promotion of Mr. Flavel Shurtleff to Assistant Professor of City Planning, and the appointment of Professor F. Leroy Foster, of the department of Mining Engineering, assistant to the director of the Division of Industrial Cooperation. The Institute has also secured Lieutenant Commander Richard M. Rush as special lecturer in naval architecture, Dr. H. R. Seiwel as special lecturer in mathematics, and Dr. Walter L. Whitehead, of the department of Geology, as special lecturer in Mining Engineering.

**Draper Designed Testing Equipment**

During a decade of teaching and research at Technology, Professor Draper has contributed notably to progress in aviation through development of methods and equipment for testing airplane engines and aircraft in flight, as well as the improvement

(Continued on Page 4)

## Czech To Speak On War Problems

**Former Delegate To Youth  
Congress To Give Opinion  
Of Conflict**

"Keeping America Out of War" is the title of a lecture which is to be delivered at 4 o'clock this afternoon in Room 2-390 by Dr. Karl Deutch, former president of the National Czech Student Union and well-known political student.

Dr. Deutch's talk, sponsored by the Technology chapter of the American Student Union, will include an analysis of recent events in Europe, with which he was closely associated, and their bearing on America.

### Studying at Harvard

Deutch, who was the Czech delegate to the World Youth Congress, is at present working at Harvard University on his second doctorate thesis, having obtained his first one in a European university.

In his speech last year, delivered under the auspices of the Technology Peace Federation, Dr. Deutch, in a prognosis accurately forecast all the events relating to the fall of Czechoslovakia, which occurred several months after his talk.

## Prof. Wm. Green Speaks At Soph Dinner Meeting

Approximately eighty-five per cent of the sophomore dorm residents have promised to attend a sophomore pep dinner to be held next Thursday, in North Hall, Walker, at 6 P.M.

Those in charge of the dinner are T. F. Walkowicz, '41, C. N. Nelson, '41, F. Olsen, '42, and Matthew Mank, '43, who make up the Dorm dinner committee. All Sophomores have been invited to attend and those present will receive a 75c. dinner for 60c. Speakers on the evening's program will be W. H. Farrell, E. Wallace and Prof. W. C. Greene.

### Free Admission Offered As Prize For Dance Name

The Sophomore Dance Committee has offered a prize of one free admission for the best name for the dance which is to be held the end of November. The names should be submitted to Carl L. McGinnis, '42, 28 the Fenway. Bids for the dance will be on sale in about two weeks. Jimmy Dorsey's orchestra, featuring Helen O'Connell and Bob Eberle, has been engaged for the dance.

## Prof. G. Harrison Awarded Coveted Rumford Medals

### Research Physics Director Expert In Spectroscopy Gives Speech

Professor George R. Harrison, director of the research laboratories of applied and experimental physics, has been awarded the Rumford Medals of the American Academy of Arts and Sciences, one of the most coveted awards in the field of science, for his work on spectroscopic technique.

Nearly 100 outstanding scientists and educators attended the presentation of the medals at the society's headquarters in Boston last Wednesday. Dr. Harrison gave his address of acceptance on "New Methods in Spectroscopy".

**Outlines Spectroscope History**  
Dr. Harrison first gave a history of the spectroscope from its invention 120 years ago. "During the 120 year period which has intervened, the spectroscope has been developed into what appears to be the most powerful single tool which has yet been developed by the hand and mind of man, and one which is suited to a wide variety of purposes," he said.

Describing methods of attacking fundamentals in science, Dr. Harrison stated that "By using an interferometric spectrograph it is possible to measure the relative lengths of light waves, themselves less than 1/50,000 of an inch in length, to closer than one

(Continued on Page 4)

### Toxicologist Addresses Institute Chem. Society

The M.I.T. Chemical Society, recently recognized as a Student Affiliate Chapter of the American Chemical Society, will hold its first meeting of the year tomorrow at 8 P.M. in the Eastman Lecture Hall. Dr. William F. Boos, state toxicologist, is to address this meeting, which is open to all members and interested students.

Refreshments will be served at the conclusion of the lecture in the Moore Room.

## 2% Drop In Number Of Dean's List Men; 598 Students Have Rating Above 3.50

Revealing a slight dip of two percent from the near record level of first term, the Dean's List of Undergraduate Students of High Scholastic Standing for the second term 1938-39 shows a twenty-five man decrease from the same period last year.

598 members of the present Sophomore, Junior, and Senior Classes with term ratings of over 3.50 make up this list which includes the surprising number of eleven coeds.

### Juniors Lead List

Leading the list are the Juniors with 39.1 percent of their class represented but they rank only second in totals with 211 men.

## Option Sales Nearing Limit

### Special Lighting Scheme Planned For Dance On Field Day

With the option sales rapidly approaching the three hundred quota, table reservations for the annual Field Day Dance are now being made available in the main lobby daily from twelve to two o'clock.

"All option holders should," advised Norman R. Klivans, '40, dance committee chairman, "make their table reservations as soon as possible." The tables, each accommodating six couples, will be placed on and under the balcony in Walker Memorial.

### Special Lighting For Dance

Unique lighting effects giving the main hall star-studded midnight blue illumination are being planned. The hall, according to the committee, will never be completely lighted during the evening. Al Donahue, with Paula Kelly as vocalist, will furnish his distinctive rhythm to complete the picturesque setting.

Options are on sale in Walker Memorial at the 5:15 Club Room, and at a desk located near the cashier.

### Glee Club To Sing

Further arrangements include renditions by the M.I.T. Glee Club and refreshments, consisting of coffee and doughnuts, to be served at midnight. For the convenience of those needing formal clothes, the committee has announced that it will arrange for tuxedo renting, with the cost running from \$1.50 to \$2.00.

## Dean McCornack To Give Address

### T.C.A. Boys' Work Division Also To Hear Greenberg, MacCormick

Dean Walter R. McCornack of the School of Architecture will address all persons interested in the T.C.A. Boys' Work Division at five o'clock Thursday afternoon, October 19, in room 4-231. Dean McCornack is an authority on the subject of slum clearance. Also to speak before the group is Mr. William A. MacCormick, secretary of the city-wide Boys' Work Committee, of which Dr. Karl T. Compton is an honorary member. Mr. MacCormick will talk on Professional Boys' Work.

Joseph H. Greenberg, and Walter C. Kahn, '40, co-directors of the Boys' Work Division will give the students' viewpoint of this altruistic project, which last year reached over 550 boys and girls in thirteen settlement houses.

## First Orchestra Meeting To Be Held This Evening

The Technology orchestra will have its first rehearsal tonight at 7:15 in the East Lounge of Walker Memorial.

About 15 more men are needed, and everybody who plays an instrument is invited to attend. Strings, flutes, and clarinets are needed most. The orchestra is planning programs with the Glee Club if there is a sufficient number of players.

## Sophomores Hold Rally To Foster Field Day Spirit

### Coaches Of Various Athletic Events Review Progress Of Each Sport

"Ferdinand", the Sophomore mascot, leered his challenge to the freshmen at the Sophomore rally last Wednesday afternoon in 10-250. Field Day coaches for all sports asked support from the Sophomores for the teams.

Donald G. Bry, '40, stressed the need for more Sophomores to try out for the tug-of-war team. As a result, a large number of men turned out on Friday for practice. Walter C. Wood, boatswain in charge of the Nautical Association, explained that the Sophomore sailing team had already been selected and the men were sailing daily in preparation for Field Day races.

### Oscar Hedlund Speaks for Track

Oscar Hedlund, track coach, pointed out that several of last year's track team members had not turned out. He said that he would have to use men from the cross country team unless more Sophomores came out for the relay.

"Figures show that the Sophs are due to lose this year," said Robert W. Keating, '42, vice-president of the class. He explained that whenever a class has lost both its freshman and Sophomore Field Days, the class coming two years later has done the

(Continued on Page 4)

## Sophomores Win Institute Awards

Twenty-five sophomores have won Technology Awards for their high and preparatory schools by achieving exceptionally high scholastic standing during their first year at the Institute. This honor is presented annually.

The following students, James L. McClellan, Jr., The Loomis School, William R. Johnson, Harvard School for Boys, George M. Illrich, Jr., Lake Forest High School, Franklin Hutchinson, Mamaroneck High School, and Harry E. Knox, Jr., William Penn Charter School, were selected for superior work in chemistry.

### Five Selected In Physics

Allen G. Quynn, Jr., Frederick High School, Richard E. Russel, Lexington High School, Warren S. Loud, Weymouth High School, Donald C. Berkey, Mercersburg Academy, and Jerome T. Coe, West High School, took high honors in physics.

In calculus Charles L. Estes, Deerfield Academy, Frank A. McClintoch, John Marshall High School, Richard R. Hughes, The Principia School, Warne P. Johnson, East Orange High School, and Edward F. Thode, New Rochelle High School, led the Class of '42.

### Drawing Leaders Selected

John W. Schmidt, York Community High School, Arthur W. Knudsen, The Taylor School, Kenneth J. Radimer, (Continued on Page 2)

## Dr. Compton Says Science Always Needed

### President Comments On World Affairs In His Report

### NEW PLANS REVEALED

"Whatever course future events may take, the world will need young men versed in science and skilled in the arts of its application to promote human welfare," declared Dr. Karl T. Compton, President of Technology, in his annual report to the Institute's corporation yesterday.

Commenting on the attitude of educators and scientists on certain aspects of the world situation, Dr. Compton expressed the opinion that "Whatever they may believe about the merits of the Versailles Treaty, or proposed readjustments of the Munich Agreement, I believe they are practically unanimous in condemning Germany's recent indiscriminate persecution of minorities without regard to individual merit, and they are opposed to authoritarian control."

### Year Finished Without Deficit

Reporting on financial operation of the past year, Dr. Compton stated that the Institute operating on a budget of more than \$3,000,000 had completed its fiscal year without a deficit. Of the total expenditures sixty-nine percent was academic expenses, twenty-two percent was for administration and nine percent for miscellaneous

(Continued on Page 2)

## Over 100 Attend Emerson Debate

### Radio Contest With Harvard Will Be Held Over WAAB This Friday

Upholding the affirmative to the question "Do Women's Styles Show a Basic Inferiority Complex?" Franklin P. Seeley, '42, and L. Hurley Bloom, '40, engaged two orators from Emerson College, Miss Marjorie Breyer, and Miss Madeline Selig, in a colorful debate last night before an audience of over one hundred men and women in the Eastman Lecture Hall. Russell T. Werby, '40, president of the Debating Society, presided as chairman.

Following the contest, which marked the opening of the Society's season, those attending accompanied the de-

(Continued on Page 3)

## VooDoo Fresh Number To Go On Sale Tomorrow

VooDoo, the Technology humor magazine, will go on sale tomorrow morning. Entitled "The Freshman Number", it will feature articles on advice to the freshmen about Technology, and the pros and cons of the benefits to the new men from the various girls' schools in addition to a cover dedicated to the class of '43.

A beauty contest will be sponsored by VooDoo, the men of the Institute voting on the various feminine creations by Ray Krieger, '41, appearing in the new number. The winning drawing will be reprinted in a forthcoming issue, VooDoo reports.

### Swimming Pool in Issue

Included in the twenty-eight pages are a picture description of the new Institute swimming pool, a take-off on Kipling's popular poem, Danny Deever, and the New Wax Column, an article concerned with the latest recordings.

# The Tech

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**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**  
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 Night Editor: Frank Seeley, '42.

## NAUGHTY, NAUGHTY!

In a letter printed elsewhere in this issue, Mr. Guttag has reiterated in a different phrasing his former comments concerning the predominance of fraternity men in honorary societies. He has not refuted the claims or statements which an earlier editorial in this paper presented. Perhaps those claims were not expressed clearly enough.

Certainly, the fraternities are strongly represented both in the senior boards of activity and in the memberships of the honorary societies. That situation cannot be denied or evaded.

It is in the interpretation of this situation that Mr. Guttag has been led astray by the facts. The situation is truly enough caused by fraternity discrimination—as is natural—but the fraternities have been put in the position to exert this discrimination by the long years of inactivity on the part of the dormitories and the commuters.

The fraternities are a closely bound organization, and it is only reasonable to expect that once they had gotten a toehold in activities they would help each other up. That toehold was secured years ago, and the dormitories and commuters have allowed them to increase it to almost complete dominance. It is not a malicious grasp, but a natural one. The dormitories would act similarly were they in a similar position. Any group would.

This early inactivity has faced the dormitories and commuters with the very tough proposition of ousting a securely ensconced group. However it is the dormitories and commuters who must do the ousting; in the long run the situation is their fault, and it is they who must correct it. By virtue of its long standing, the job is bound to be long and difficult—a process of slow and aggressive infiltration. It cannot be done in a night or a year; it would be silly to expect that.

It is definitely not a place for executive action by the Institute Committee. In the first place, it is doubtful if any practical plan could be evolved for the allotment of membership in activities and honorary societies by residential groupings, and in the second place the dorms and commuters have no right to expect Mother Inst. Comm. to up and wop the bad little boys who have been playing in their backyards.

## ULTIMATE AIMS

Most of us do not think of such intangibles as the why of the courses at the school. Most of us feel that we like to mess around with math, that we like to work with machines or in the laboratory. That is as far as most of us get in analyzing our motives. We like our work, and do it because we like it. That makes for a thorough job, but rarely for a great one.

The great man has not only a love for his work, but he has a consciousness and faith in its long range objectives. He has perspective; realizing that all knowledge is but the means to an end, as a man does not whet an ax merely to get a sharp edge on the ax but to get an ax which will level a tree.

What is necessary is this consciousness of the ultimate aim of our four years here and all the work which we shall accomplish after leaving here. But we have the power of not only earning a living, but of accomplishing something tangible to advance the race as a whole. We have something to give point and meaning to our existence, so that it becomes more than just a waking between two sleeps.

And what are these ultimate aims? Man is well on his way to mastery of nature and natural forces, but he as yet has neither knowledge nor mastery of himself.

Why and how does a man think? What is the process which makes us conscious of thought, and what is thought itself? Is it a chemical, mechanical, or electrical reaction or a combination of all three? Does it result from the laws of nature, or is it actually the presence of something intangible? What is its nature, and what its function? There is a problem worthy to be called an ultimate aim of science.

What are the mechanics of life? What starts and what stops it? What are the forces that cause its transmittal? Is it electrical, chemical, mechanical, or a combination of all three? Why are characteristics inherited, and how? Why does a single cell grow into a man who reflects the appearance of thousands of ancestors, and how?

These problems are fundamental. Of what good is science if we do not bear in mind, however dimly, these and similar problems to guide us in studying and practising it.

## IN THE MAIL

Editor of The Tech:

In an editorial in the last issue of "The Tech" you claim that the Dormitories and commuters must get their freshmen into activities to get them into the honorary societies. "The Tech" follows its usual custom of not looking up the facts in the case. Last year the Dorms and the Commuters held drives to get their freshmen into activities. These drives met with considerable success. One example is that approximately three-quarters of the freshmen council were commuters. Despite this fact not more than two or three commuters were elected to Quadrangle.

Over half the present class officers either live in the Dorms or are Commuters yet very few of these men are in the class honorary societies. How many members of the Dorm Committee or the officers of the 5:15 Club have been elected to these societies? At the most one or two.

Another and more specific example arises in the case of Beaver Key, the society chosen from the outstanding managers and athletes. Track has the largest turnout of any sport at Tech. However, of the five men elected as track captains and the three elected as captain of cross country, (which is allied very closely to track), in the last four years none have been members of this or any other class honorary society. Many of these men are wearers of the T, the highest athletic award at Tech. Several of them were elected as captain while still in their sophomore year so Beaver Key cannot claim that they had hidden talents which suddenly flourished too late to get the recognition they deserved.

According to the T.C.A. Handbook Tau Beta Pi is "The highest award attainable at Tech. Picks its members on a scholastic basis with activity requirements." Tau Beta Pi has its share of Commuters and Dorm men. In contrast is Beaver Club whose requirements are listed in the T.C.A. Handbook as follows: "Members chosen from the leaders of the Sophomore class on both an activity and a social basis." Considering the residential affiliations of its members evidently the social basis is extremely important.

"The Tech" pretends to be so naive as to believe that it depends on the individual freshman as to how far he goes in activities and as to how eligible he is for honorary societies. Can it answer the question why there are so few dormitory and commuter members on the higher boards of the T.C.A., "The Tech", "Voo Doo", "T.E.N.", "Technique", and on the Walker Memorial Committee, compared to the number of dormitory and commuter freshmen and sophomores out for these organizations? Can it explain why in the last four years only four fraternities, no dormitory residents and no commuters have been represented on the managing board of "Technique"? Is 99 44/100% of the student body completely devoid of those qualities essential to the publication of an annual?

Throughout this letter it has been my intention to show that the honorary societies and the system behind them, not the dormitories and commuters, are to blame for the present situation which admittedly is bad. As in my last letter I again suggest that the Institute Committee take action to "reform" the class honorary societies.

ALVIN GUTTAG.

## Outing Club Elects Two New Officers

Activities of Society Include Several Outdoor Trips In Past Week

At the first meeting of the Outing Club senior council, Frank A. McClintock, '42, was selected as secretary-treasurer, while Alan Smith, '41, was given charge of future meetings. Kenneth Davis, '41, was chosen to take over the monthly bulletin.

Plans were also made to train interested men for a junior council, a new executive group to be organized this year. This junior council will be given special insignia for means of identification. Two trips, including rock climbing and canoeing, are scheduled for the coming weekend.

### Three Outdoor Trips Held

During the past week, three such outdoor trips were included as part of the club's activity program. Organized by Alan Smith and led by Professor Dean Peabody, a rock-climbing excursion was held on Columbus Day among Peabody Boulders.

On the same day, a group of freshman club members went on a canoeing trip with several Radcliffe girls. The party travelled along the Concord River throughout the afternoon, ate a picnic meal in the evening, and returned home about 10:00 P.M.

Another joint trip with Radcliffe was held Sunday by the upperclassmen of the club.

### Pres. Report

(Continued from Page 1)

charges. Fifty-eight percent of the operating income for the year came from tuition, thirty-five percent from investments and seven percent from other sources.

Commenting on financial aids to students Dr. Compton reported that the total amount spent on student aid during the year was \$367,724, one fifth of the total tuition. During the nine years of its operation 1,974 students have borrowed \$1,320,000 from the Technology Loan Fund, of which eighty-seven percent of the amount due has already been repaid.

### Plan Enlarging Chemistry Plant

Speaking of the Institute curricula Dr. Compton revealed several matters of interest to the student body. Regarding the chemical engineering course he stated that a report advocating an adequate and conveniently located new laboratory building was submitted.

With regard to the aeronautical engineering which has been severely restricted up to the present, President Compton stated that, because the situation regarding employment in this field had so altered, a substantial increase in the quota of students admitted to the course was highly advisable.

### New Dormitory Suggested

In closing his report Dr. Compton mentioned that the officers in charge of admission believed that the addition of another dormitory unit for about one hundred men would be advantageous and a marked addition to the existing facilities.

## Jimmy Carmody Plays For Catholic Club Dance

Jamming the Main Hall of Walker Memorial last Friday evening from 9 until 2, almost 1,000 danced to the music of Jimmy Carmody and his ten piece band, at the Catholic Club dance.

A success, both financially and socially, the dancers included, besides Technology men, girls from Radcliffe, Simmons, Wellesley, Emerson, Emmanuel, Portia, Teachers' College, Boston University, Regis and Jackson.

### Poismeter Tested

The highlight of the evening was the demonstration of the poismeter which afforded the early-comers a great deal of amusement.

On Tuesday at five P.M., the Catholic Club held its annual smoker in the North Hall of Walker Memorial, which was attended by over eighty students.

### Father Daly Speaks

Principal speaker of the evening was Father William J. Daly, Director of Catholic Literature and the Radio Question box on a local radio station, who spoke of the importance of Catholic action by men in schools like Technology. He stressed the fact that new men would not find religious intolerance but rather religious indifference at the Institute.

Henry P. McCarthy, physical training instructor and basketball mentor at the Institute, spoke of his high regard for the work which the club's religious activities have accomplished at Technology.

### Frost Advised On Health

Warning the freshmen of the necessity of caring for themselves at the Institute, Professor Matthew R. Copithorne of the English department, advised them that this was important because of the fact that many of them were away from home for the first time in their lives.

## Soph Awards

(Continued from Page 1)

Clifton High School, Ray O. Wyland, Jr., Horace Mann School and John H. Jones, Lincoln High School, head the group in descriptive geometry.

The high men in English are: Emery St. George, Jr., Newton High School, Sheppard Y. Tyree, Jr., Montclair High School, Harry J. Heineman, Jr., Lakewood High School, Monroe S. Sadler, Western Reserve Academy and Carthrae M. Laffoon, Jr., Norwin High School.

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## Soccer Eleven Ties A. I. C. At Springfield

Haden, MacPhaul Injured;  
Were Unable To Play  
In Game

### FROSH TEAM LOSES

A strong M.I.T. soccer eleven held the undefeated American International College team to a 1-1 tie in a rough game played last Saturday afternoon at Springfield.

The Technology team held the better end of the play, but because of a stiff wind which made kicking difficult and passing tricky, they could not score until the fourth period. In the first three periods, Tech missed many close shots because of the shifty wind, but in the last period, with seventeen minutes to go, Kirman, '41, scored the first goal of the game. The M.I.T. team let up a little in the last few minutes, and with only three minutes to play, Holmes of A.I.C. scored a corner kick into the goal.

#### Haden, MacPhaul Injured

Because of injuries, Captain Russell Haden, '40, could not play in the A.I.C. game. Another convalescent is goalie Dick MacPhaul, '40, who was injured in the Dartmouth game last Thursday. Both are expected to be ready to play in the important game with Yale at New Haven next Wednesday.

The 3-1 Dartmouth game last Thursday started off very fast, with the Indians threatening the Tech goal immediately. Dartmouth scored in each of the first two periods. It was in the hectic third period that goalie MacPhaul was injured and had to be taken out of the game. Captain Haden played goal for the remaining period and a half. In the fourth period, Macorra scored for Tech on a pass from Wu, while later in the period Dartmouth scored again. Previously Dartmouth defeated the strong Mass. State team by a score of 6 to 1.

#### Frosh Lose Two

The M.I.T. freshman soccer team recently lost two close games to Gov. Dummer and Tufts Frosh. Gehling of Tufts scored three goals as they defeated M.I.T. by the score of 4 to 2 last Thursday. In the game last Saturday, Gov. Dummer scored early in the first period, defeating Tech 1 to 0. Gov. Dummer threatened the Tech goal throughout the entire first period, but the second quarter was very evenly matched. Tech had the upper hand through the third and fourth periods, but failed to have scoring punch, although they came close to scoring several times.

**M.I.T.** **A.I.C.**

| Position        | Gov. Dummer | Youn,    |
|-----------------|-------------|----------|
| goalie          | Stanger     | Dodge    |
| right fullback  | Goodhart    | Lyle     |
| left fullback   | Klansan     | Babcock  |
| right halfback  | Wood        | Morgan   |
| center halfback | Charles     | Conrick  |
| left halfback   | Coles       | Jarvis   |
| outside right   | M. E. Evans | McDonald |
| inside right    | Wm. Mott    |          |
| center forward  | Wm. Blatt   |          |
| inside left     | Lawson Ott  |          |
| outside left    | all of '43  |          |

**M.I.T. Frosh** **Gov. Dummer**

| Position        | Gov. Dummer | Youn,    |
|-----------------|-------------|----------|
| goalie          | Stanger     | Dodge    |
| right fullback  | Goodhart    | Lyle     |
| left fullback   | Klansan     | Babcock  |
| right halfback  | Wood        | Morgan   |
| center halfback | Charles     | Conrick  |
| left halfback   | Coles       | Jarvis   |
| outside right   | M. E. Evans | McDonald |
| inside right    | Wm. Mott    |          |
| center forward  | Wm. Blatt   |          |
| inside left     | Lawson Ott  |          |
| outside left    | all of '43  |          |

#### Debate

(Continued from Page 1)

batters to Walker Memorial where coffee and sandwiches were served.

#### Radio Debate to be Held

The first of a series of radio contests will be broadcast over WAAB on Friday afternoon from four to five P.M. Samuel I. Omansky, '40, and Arthur Lowell, '41, will engage a Harvard team at that time, upholding the negative to the topic of government ownership of munitions.

### "Tech Soccer Action"



## 2 Teams Lead Dorm Football

### Holman - Nichol's Record Unsmirched After Two Games

As the mid-point of the dormitory touch football season approaches, Wood and Holman-Nichols, both undefeated and untied, are leading league one and league two respectively. The Holman-Nichols' team has not even been scored upon.

This year the following rules are in effect. Eight man, two-handed touch football is to be played with ten minute quarters. All games are played on the Coop Field Sunday mornings. Each team will play four games with teams in its own league.

#### Wood Leads League One

In league one which consists of Munroe, Wood, Bemis, and Ware-Atkinson, Wood is leading with two victories against no defeats, having edged out Ware-Atkinson 7-0 and Munroe 14-7. These two follow in a tie for second place with one victory and one defeat apiece, while Bemis has failed even to score a point in two starts.

Holman-Nichols, leading league two, has crushed Goodale 20-0 and Hayden by 19-0. Walcott claims second place by virtue of its victory against Hayden 24-6. Goodale sports a .500 average, one win and one loss, to place third. The cellar dweller is Runkle-Crafts which has lost its only game, and Hayden which is still looking for its first victory after two starts.

#### Playoff November 12

The schedule for the rest of the season follows: October 22, Walcott vs. Goodale, Wood vs. Bemis, Munroe vs. Ware-Atkinson, Holman-Nichols vs. Runkle-Crafts; October 29, Wood vs. Ware-Atkinson, Bemis vs. Munroe, Holman-Nichols vs. Walcott, Hayden vs. Runkle-Crafts; November 5, Walcott vs. Runkle-Crafts, Hayden vs. Goodale.

The interleague playoff will be held on November 12.

## Four Lettermen In Pistol Tryout

Among the thirty men who turned out for the first two hours of pistol team tryouts yesterday afternoon were four of last year's letter men. Roy Brown, '40, Jean Lewis, '40, Manager Al Wu, '40 and Captain Dick Henry, '41. Tryouts and practice are now being held at the following hours: Monday 12-2 P.M., Wednesday 5-9 P.M., and Thursday 12-5 P.M. The supply of ammunition is free.

Captain Henry anticipates a successful season this year because of the large turnout of capable material, and the increased number of practice hours now available. Plans for the season include more than twenty-five postal matches and at least two trips for shoulder-to-shoulder competition.

#### Plan to Train Frosh

Plans to train a large group of freshmen this year have been agreed upon. Assistant Manager Ed Thode, '42, has called a meeting of all interested frosh for next Monday afternoon at 5 P.M. in the West Lounge of Walker Memorial.

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### Field Day Relay Tryouts Planned For Mon. & Tues.

Final tryouts for the Sophomore and freshman twelve man, one and one-half mile Field Day relay teams will be held next Monday and Tuesday, October 23 and 24, according to Coach Oscar Heddlund.

Sprints, starts and passing of the baton are to be featured in this week's practice. Freshmen intending to substitute track for P.T. must sign up for the substitution in Coach McCarthy's office, 3rd floor of Walker before 12 noon this Friday, October 20th.

## Tech Team Loses Football Contest

### Nichols Wins Game, Using Powerful Pass Attack In Last Period

An impromptu football game was played with Nichols Junior College in Dudley, Massachusetts, Saturday, October 14, in which M.I.T. lost 19 to 0. The Nichols coach called up the Institute Friday afternoon to explain that their regular game scheduled for Saturday had been called off, and arranged a match with M.I.T.

The Technology team was composed chiefly of Sophomores from the Field Day team, with a few Juniors and Seniors also participating. The starting lineup for Technology was as follows: Evans, '42, rt. end; Hook, '42, rt. tackle; Given, '42, rt. guard; Foote, '42, center; Torrey, '42, left guard; McGuire, '42, left tackle; Altman, '42, left end; Dobson, '40, qtr.-back; Ely, '42, and Crosby, '40, halves; and Christians, '42, fullback.

#### Nichols Wins With Passes

The game was fairly even until the last quarter when the Nichols team unleashed a passing attack, scoring three touchdowns. The final score was 19 to 0.

## Hockey Rally Tomorrow; Coach Owen Is To Speak

The hockey team will hold its first rally tomorrow in the East Lounge of Walker at 5:00 P.M. All freshman aspirants are urged to attend the meeting and become acquainted with Coach George Owen. If enough interest is shown, co-captain Nat Sage, '41, stated, there would be a freshman schedule this year.

Since eight men from last year's team are still available, prospects for a successful season are evident. Freshmen are advised that hockey may be substituted for P.T., before the deadline on Friday, Oct. 20.

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## U. Of Conn. Beats M. I. T. Harriers At Cross Country

### Creamer Takes First Honors In First Handicap Track Meet Of Year

Tech's 1939 cross country team lost its opener Saturday, 18-43, to a well-balanced University of Connecticut squad at the Storrs, Conn., course. Art Gow, '42, was the first Tech man to finish, Captain Dan Crosby, '40, being the record Tech man in.

The combination of a largely macadam course and Connecticut's Rice, Robbins, and Wheaton who came in together for first place one second ahead of Gow was too much for the Beaver harriers. Lester Gott, '41; Stan Backer, '41; and Jud Rhode, '40, were the other Tech runners to score. The results:

1. Robbins, Conn., 22:27; Rice, Conn., 22:27; Wheaton, Conn., 22:27. 4. Gow, M.I.T., 22:28. 5. Tribou, Conn., 6. Crosby, M.I.T., 23:08. 7. Harved, Conn., 23:14. 8. Johnson, Conn., 23:41. 9. Gott, M.I.T., 23:49. 10. Magyear, Conn., 23:52. 11. Walker, M.I.T., 23:52. 12. Rosen, Conn., 24:11. 13. Rhode, M.I.T., 14. Brady, M.I.T., 15. Turnock, M.I.T., 16. Lemanski, M.I.T., 17. Walker, M.I.T., 43.

#### First Handicap Meet Held

At Tech the first handicap meet of the year was held on the new track. Tom Creamer, '40, president of the M.I.T.A.A., turned in the highest individual score with Rudy Hensel, '41, and Sid Hall, '43, close behind. The highlight of the meet which included only four events came in the 1 1/2 mile run when Hans Wittels, '43, with 100 yds. handicap outraced Mae Quackenbush, down the home stretch.

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## CALENDAR

## TUESDAY, OCTOBER 17

4:00 P.M. American Student Union Meeting—Room 2-390.  
 5:00 P.M. Beaver Club Meeting—East Lounge.  
 6:30 P.M. Student-Faculty Committee Dinner—Silver Room.  
 6:30 P.M. Naval Architecture Society Dinner—Faculty Dining Room.

## WEDNESDAY, OCTOBER 18

2:30 P.M. Foreign Student Committee Meeting—Silver Room.  
 5:00 P.M. Tech Peace Federation Meeting—East Lounge.  
 5:00 P.M. Pistol Team Tryout—Rifle Range.  
 6:00 P.M. Senior House Dinner—North Hall.  
 6:00 P.M. Tech De Molay Club Meeting—West Lounge.  
 7:00 P.M. Hockey Rally—East Lounge.  
 8:00 P.M. M. I. T. Chemical Society—Room 6-120.  
 8:00 P.M. Alpha Phi Omega Meeting—East Lounge.

## THURSDAY, OCTOBER 19

12:00-5:00 P.M. Pistol Team Tryout—Rifle Range.  
 5:00 P.M. Gridiron Initiates Meeting—East Lounge.  
 5:00 P.M. Boy's Work Division of T.C.A.—Room 4-231.  
 6:00 P.M. Sophomore Dorm Dinner—North Hall.  
 6:30 P.M. Interfraternity Council Dinner—Faculty Dining Hall.

## Rumford Award

(Continued from Page 1)

part in forty million. In this way measurements are obtained which are precise to one trillionth of an inch."

## Speed Important Development

One of the automatic machines developed in his laboratories, Professor Harrison stated, will record the wavelength of 3,000 spectrum lines on a photograph to seven figures in angstroms in 120 seconds instead of the one week which was formerly required.

The medals were first awarded just 100 years ago in accordance with the wishes of their donor, Benjamin Thompson of Woburn, later Count Rumford, the father of modern Thermodynamics. Dr. Harrison is the thirtieth recipient of the award.

## Soph Rally

(Continued from Page 1)

same thing. Since the present senior class lost both Field Days, the class of '42 is due to lose, according to Keating. "Let's win Field Day and break the jinx," concluded Keating.

## Garey Wright Talks on Football

Calling on the Sophomores for more football team support, Garrett H. Wright, '40, explained that the number of men out for football already exceeded the number of uniforms. Thirty-three men are now practicing, according to Wright, and there is plenty of spirit. He asked the Sophomores to turn out for the practice games to be held in the next two weeks.

The next Sophomore rally will be Monday, October 23.

## Dramashop Holds Initial Tryouts

## Three One-Act Productions Arranged For November By Players

Tryouts for the Dramashop's first major production, "The Night of January 16" will be held this Thursday and Friday from 4:00 to 6:00 P.M. in Room 2-190, it was announced at the organization's combined dinner and business meeting held last Wednesday evening in the Silver Room of Walker Memorial.

The tryouts will be under the direction of a casting committee made up of Ernest G. Chilton, '40, chairman; George E. Powers, '41, Margaret Whitcomb, G., Richard B. Lawrence, '41, and Marian Harper. The play will be produced during the first part of December.

## One-Act Plays Cast

Three one-act plays, "The Boor," "A Good Bargain," and "The Pot Boiler" will be produced by the Dramashop during the first week of November. The casts for these plays announced at the dinner include Joseph E. Dietzgen, '41, Pauline Morrow, Stanley Smolensky, '40, Ernest Chilton, '40, George E. Powers, '41, Hans Haac, '43, John Van Riper, '41, Donald Sheppard, '43, Ray Hahn, '43, Sherman Sackheim, '43, Sol Goldfarb, '41, Harvey Freeman, '43, Marjorie Stowell,

'43, Robert Lichten, '43, and Marie Anton, '43.

## Lasell Junior College Play

Four Tech men will take the male parts in a play to be produced by Lasell Junior College on November 25. The play is "I Have Five Daughters," and the men Chester Ross, G., Louis Rosenblum, '42, Peter P. Sloss, '42, and Louis A. King, '41.

## Staff Changes

(Continued from Page 1)

of navigation instruments. He is particularly noted for an instrument used in the study of vibration in engines and planes. This device makes possible investigation of flutter of control surfaces and acceleration in flight under various rigorous conditions. He has been in charge of the department of Aeronautical Engineering instrument laboratory since its establishment; under his direction training in this field has steadily increased.

Following undergraduate study at Stamford University, Professor Draper came to Technology, where he was awarded the degrees of bachelor and master of science in 1926 and 1928 respectively. He then joined the instructing staff and was made an as-

sistant professor in 1935 being promoted to associate professor a year later.

## Four Resignations Announced

Among the resignations announced were those of Dr. Horace T. Mann, associate professor in Mining, Carl Engstrom, instructor in Naval Architecture, Frederick P. Fischer, instructor in Electrical Engineering, and John B. Fitzgerald, instructor in Military Science.

Those added to the Institute's staff as instructors are: Sergeant Ward B. Carroll and Sergeant Alfred H. Hall in Military Science, Edward E. Dawson in Marine Engineering, J. Martin Frissel in Architecture, Christian E. Grosser in Mechanical Engineering, Walter W. Robertson in Naval Architecture, and Philip C. Stein in Civil Engineering.

## Course XVI Gets Appointees

The list also included the appointment of seven research associates, twenty-one research assistants, two teaching fellows, nine assistants, two research fellows, one student associate, and one radio assistant in Aeronautical Engineering.



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